Proposal Full View

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Applicant Information

Organization Name	City of Sacramento *
Tax ID	**999999983**
Proposal Name	American River Basin IRWM Stormwater Flood Management Grant Proposal – Downtown Combined Sewer Upsizing Project *
Proposal Objective	The goal of this Proposal is to implement the current stormwater-related priority projects that best contribute to meeting the ARB IRWM stormwater management objectives. The Downtown Combined Sewer Upsizing Project will reduce flood damage in the economically vital downtown area of Sacramento; improve water quality in the Sacramento River through the reduction in raw sewage releases into the source of drinking water for millions of Californians; and protect public health by reducing the likelihood and volume of diluted sewage on public streets and properties. *

Budget

Other Contribution	$0.00
Local Contribution	$6,899,208.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$6,210,151.00 *
Total Project Cost	$13,109,359.00 *

Geographic Information

Latitude *	DD(+/-)	38	MM	34	SS	29	
Longitude *	DD(+/-)	121	MM	30	SS	1	
Longitude/Latitude Clarification						Location	Downtown Sacramento
County						Sacramento *	
Ground Water Basin						Sacramento Valley-North American	
Hydrologic Region						Sacramento River	
Watershed	Sacramento River						

Legislative Information

Assembly District	9th Assembly District *
Senate District	6th Senate District *
US Congressional District	District 5 (CA) *

Project Information

Project Benefits Information

Project Name: Downtown Combined Sewer Upsizing Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	11000	The Downtown Combined Sewer Upsizing Project will reduce the volume and frequency of combined sewage outflows in the downtown Sacramento area. In doing so, this project will help prevent the mitigated flooding the presently occurs to approximately 11,000 acres of downtown Sacramento, and will reduce the potential for direct and indirect public contact with pathogens potentially present in raw sewage and water quality impacts associated with discharges to the adjacent Sacramento River.
Primary	Water and Sediment Quality-Other	0	Reductions in combined sewer outflows as a result of implementation of this project will help protect Sacramento River water quality for downstream water suppliers and the Delta ecosystem (including protecting sensitive species and their habitats).
Secondary	Other	0	The Downtown Combined Sewer Upsizing Project will reduce the volume and frequency of combined sewage outflows in the downtown Sacramento area. In doing so, this

			project will help prevent the potential for direct and indirect public contact with pathogens potentially present in raw sewage.

Budget

Other Contribution	0
Local Contribution	6899208
Federal Contribution	0
Inkind Contribution	0
Amount Requested	6210151
Total Project Cost	13109359

Geographic Information

Latitude DD(+/-)	38	MM 34	SS 29		
Longitude DD(+/-)	121	MM 30	SS 1		
Longitude/Latitude Clarification				Location	Downtown Sacramento

County	Sacramento
Ground Water Basin	Sacramento Valley-North American
Hydrologic Region	Sacramento River
WaterShed	Sacramento River

Legislative Information

Assembly District	9th Assembly District
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Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Downtown Sewer Upsizing Project is a portion of the City of Sacramento???s Combined Sewer System Improvement Program (CSSIP). The City has completed similar improvements downstream, and in conjunction with them, the Downtown Combined Sewer Upsizing Project will reduce combined system overflows (CSOs) to the Sacramento River and reduce flooding of combined stormwater runoff and sewage (termed ???CSS outflows???) in the downtown area of Sacramento. Thus, the project will meet multiple planning objectives: improve water quality in the Sacramento River (the source of drinking water for millions of Californians), reduce flood damage in the economically vital downtown area of Sacramento, and protect public health by reducing the likelihood and volume of diluted sewage on streets and properties. The Downtown Sewer Upsizing Project was first conceived by City hydrologists in the 1990???s to address the ongoing flooding problems in the Downtown area. Previously completed portions of the project include the U and S Street Parallel Sewer (completed in 2007) and replacement of existing combined sewer trunk mains with larger pipelines (upsizing) and constructing parallel pipelines in S Street, 5th Street and in the alley between J and K Streets (completed in 2010). These projects served to both increase conveyance to the Sump 1/1A complex, which had been improved in 1997, and reduced the hydraulic grade line in the vicinity of the improvements, including a vulnerable flooding location at 5th and U Streets. It also provided hydraulic improvements to reduce odors and improve pumping efficiency at Sump 1 and Sump 2. To complete the Downtown Sewer Upsizing Project, it is necessary to continue the ???upsizing??? in 7th Street to connect with a section upstream that was constructed out of sequence due to timing constraints, and to extend this network of upsized pipes in L, G, F, and 8th Street. For the project to function properly, it is necessary that it be continuous, without bottleneck sections like currently exist. Once completed, the network of upsized and parallel pipes will serve to lower the hydraulic grade line in this portion of the City with critical and high value real estate that has experienced flooding of combined sewer outflows in the past. The Downtown Sewer Upsizing Project will replace existing pipelines with larger pipes, by paralleling the existing pipeline or by connecting new pipes to upsized portions, whichever approach is determined to be most practical. Replacing the pipelines has the added benefit of renewing pipes that have long since exceeded their useful lives. For example, the pipes in 7th Street and S Street are mostly constructed of clay bricks and were constructed in the 1890???s. As such, they are not reliable and have been known to fail suddenly. In addition to the benefits provided to the downtown Sacramento area due to reduced combined sewer overflows, the project will also benefit water suppliers utilizing Freeport Regional Water Authority???s (FRWA) intake structure. As the FRWA intake facility is located three miles downstream of downtown Sacramento on the Sacramento River; any combined sewer overflows occurring in the City and entering the river has direct significant negative impacts on the river???s water quality and therefore affects water entering the FRWA intake structure.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Bill Edgar Interim City Manager City of Sacramento 916-808-5704 Bedgar@cityofsacramento.org

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Bill Busath Supervising Engineer City of Sacramento 916-808-1434 BBusath@cityofsacramento.org

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

City of Sacramento 1395 35th Avenue Sacramento, CA 95822

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Sacramento River Funding Area

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD (S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.
http://www.waterboards.ca.gov/waterboards_map.shtml

Central Valley Sacramento RWCQB

Q7. ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes. American River Basin

Q8. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes

Q9. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

City of Sacramento

Q10. ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes, the City of Sacramento has completed a 2005 UWMP which has been verified by DWR as complete. Further, the City will complete and submit an updated 2010 UWMP by July 1, 2011, consistent with the 2010 UWMP Guidebook, for verification by DWR prior to execution of a grant agreement.

Q11. ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

The City of Sacramento submitted AB1420 supporting documentation as part of the American River Basin???s Prop 84 Implementation Grant Application in January of 2011
The City received a letter from DWR stating their compliance with the requirements of AB1420 on March 25, 2011.

Q12. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

No, the Downtown Combined Sewer Upsizing Project does not have the potential to groundwater impact groundwater.

Q13. ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

Not Applicable

Q14: ELIGIBILITY

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

a) ☐ Yes
b) ☑ No

Q15:
ELIGIBILITY

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

a) ☐ Yes
b) ☐ No

Q16:
ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

a) ☐ Yes
b) ☑ No

NOTES TO BMS ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Sometimes the system tells me that I've uploaded an attachment (i.e. after hitting save, I get the box that says it was successfully saved), but then the attachment is not in the attached files list.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1_SWF_SAC_Eligible_1of2.pdf

Upload additional Authorization and Eligibility documentation here.

Last Uploaded Attachments:
Att1_SWF_SAC_Eligible_2of2.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2_SWF_SAC_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT 3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_SWF_SAC_WorkPlan_1of2.pdf

Upload additional work plan components here.

Last Uploaded Attachments:
Att3_SWF_SAC_WorkPlan_2of2.pdf

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_SWF_SAC_Budget_1of1.pdf

Upload additional budget components here. **Upload additional budget components here.**

Upload additional budget components here. **Upload additional budget components here.**

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_SAC_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here. **Upload additional schedule components here.**

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_SAC_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here. **Upload additional Monitoring, Assessment, and Performance Measures here.**

Upload additional Monitoring, Assessment, and Performance Measures here. **Upload additional Monitoring, Assessment, and Performance Measures here.**

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_SAC_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here. **Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.**

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_SAC_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here. **Upload additional - Water Supply Costs and Benefits documentation here.**

Upload additional - Water Supply Costs and Benefits documentation here. **Upload additional - Water Supply Costs and Benefits documentation here.**

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_SAC_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here. **Upload additional Water Quality and Other Expected Benefits documentation here.**

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_SWF_SAC_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here. **Upload additional Costs and Benefits Summary documentation here.**

Upload additional Costs and Benefits Summary documentation here. **Upload additional Costs and Benefits Summary documentation here.**

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_SWF_SAC_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here. **Upload additional Program Preference documentation here.**

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_SWF_SAC_Certfication_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Last Uploaded Attachments: Att13_SWF_SAC_Strmrespln_1of1.pdf

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here. **Upload additional Stormwater Resources Plan documentation here.**

Upload additional Stormwater Resources Plan documentation here.